CLAIMS

1.   A heat exchanger comprising:

a pair of tanks;

a plurality of tubes disposed between said pair of tanks; and

fins disposed between said tubes, with said pair of tanks made to communicate with each other via said tubes having open ends on the two sides thereof along the length of said tubes inserted at insertion holes formed at said tanks and the width of a specific area of said tubes along the axes of said tanks set greater than an equivalent diameter of said tanks corresponding to said tank passage section,

wherein $15 \leq L/Dt \leq 42$ is true with Dt representing the equivalent diameter corresponding to said tank passage section and L representing the length of a longest path ranging from a coolant entrance to the open end of said tubes.

2.   A heat exchanger according to claim 1,

wherein with S representing the flow passage area inside said tanks, $20 \text{ mm}^2 \leq S \leq 50 \text{ mm}^2$ is true.

3.   A heat exchanger according to claim 1 or claim 2,

wherein with S representing the flow passage area inside said tanks, P representing the length of the inner circumference of said tanks and Sc representing the area of a circle with the circumference P, $S \geq Sc \times 0.7$ is true.

4.   A heat exchanger according to any of claims 1, 2 or 3,

wherein said tubes adopt a twisted structure so that the width along the axes of said tanks is greater than the width along the direction of airflow over central areas of

said tubes along the length thereof and the width along the direction of airflow is greater than the width along the tank axes at tube openings on the two sides thereof.